

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2005/050043

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01T1/208

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01T H03M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 706 065 A (ADAC LABORATORIES; KONINKLIJKE PHILIPS ELECTRONICS N.V) 10 April 1996 (1996-04-10) page 11, line 16 - line 29	1-21
Y	US 2003/213913 A1 (MOYERS J. CLIFTON ET AL) 20 November 2003 (2003-11-20) column 3, paragraph 11; figure 6	1-21
Y	US 5 371 362 A (MESTAIS ET AL) 6 December 1994 (1994-12-06) column 7, line 7 - line 10	1-21
X	US 6 603 125 B1 (COOKE STEVEN E ET AL) 5 August 2003 (2003-08-05) figures 1,3	2-17,21 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the International search

Date of mailing of the International search report

6 June 2005

15/06/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 252 232 B1 (MCDANIEL DAVID L ET AL) 26 June 2001 (2001-06-26) column 3, line 43 - line 50; figure 2	1,18,20
X		2-17,19, 21
A	EP 1 148 348 A (MARCONI MEDICAL SYSTEMS, INC) 24 October 2001 (2001-10-24)	1,18,20
X	paragraph '0059!; figure 1	2-14,19, 21
A	EP 1 104 890 A (KONINKLIJKE PHILIPS ELECTRONICS N.V; ADAC LABORATORIES) 6 June 2001 (2001-06-06)	1,18,20
X	paragraph '0059!	2-6,9, 11,12, 17,21
A	US 6 291 825 B1 (SCHARF THOMAS E ET AL) 18 September 2001 (2001-09-18) figure 4	1-21
A	US 2003/042423 A1 (BERTELSEN HUGO) 6 March 2003 (2003-03-06)	1-21
	paragraph '0014!	
Y	US 2003/116713 A1 (COOKE STEVEN E ET AL) 26 June 2003 (2003-06-26)	1-21
	paragraph '0079!; figures 1,3	

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No	
PCT/IB2005/050043	

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 0706065	A	10-04-1996	US	5539202 A	23-07-1996	
			US	5493120 A	20-02-1996	
			US	5508524 A	16-04-1996	
			US	5449897 A	12-09-1995	
			DE	69528949 D1	09-01-2003	
			DE	69528949 T2	28-08-2003	
			EP	0706065 A2	10-04-1996	
			JP	9080155 A	28-03-1997	
			EP	1103825 A2	30-05-2001	
			EP	1104889 A2	06-06-2001	
			EP	1104890 A2	06-06-2001	
			US	5646408 A	08-07-1997	
US 2003213913	A1	20-11-2003	NONE			
US 5371362	A	06-12-1994	FR	2669439 A1	22-05-1992	
			DE	69108863 D1	18-05-1995	
			DE	69108863 T2	23-11-1995	
			EP	0487403 A1	27-05-1992	
			IL	99988 A	30-03-1995	
			JP	4274791 A	30-09-1992	
US 6603125	B1	05-08-2003	EP	1328825 A2	23-07-2003	
			WO	0193763 A2	13-12-2001	
			US	2003116713 A1	26-06-2003	
US 6252232	B1	26-06-2001	NONE			
EP 1148348	A	24-10-2001	US	6525323 B1	25-02-2003	
			EP	1148348 A2	24-10-2001	
EP 1104890	A	06-06-2001	EP	1103825 A2	30-05-2001	
			EP	1104889 A2	06-06-2001	
			EP	1104890 A2	06-06-2001	
			DE	69528949 D1	09-01-2003	
			DE	69528949 T2	28-08-2003	
			EP	0706065 A2	10-04-1996	
			JP	9080155 A	28-03-1997	
			US	5646408 A	08-07-1997	
US 6291825	B1	18-09-2001	NONE			
US 2003042423	A1	06-03-2003	EP	1399761 A1	24-03-2004	
			WO	02101416 A1	19-12-2002	
			JP	2004522164 T	22-07-2004	
US 2003116713	A1	26-06-2003	US	6603125 B1	05-08-2003	
			EP	1328825 A2	23-07-2003	
			WO	0193763 A2	13-12-2001	